CONTENTS OF VOLUME 278

Effects of Hypolaetin-8-Glucoside and Related Flavonoids on Soybean Lipoxygenase and Snake Venom Phospholipase A_2. *M. J. Alcaraz and J. R. S. Hoult* 4

Hyperalgesic Action in Rats of Intracerebroventricularly Administered Arachidonic Acid, PG E_2 and PG $F_{2\alpha}$: Effects of Analgesic Drugs on Hyperalgesia. *S. Okuyama and H. Aihara* 13

Pharmacological Effects of SCH 30497—A Novel Analgesic Substance. *R. E. Chipkin, M. B. Latranyi, L. C. Iorio, A. Barnett and J. G. Berger* 23

Effects of Bremazocine on Locomotor Activity in DBA/2 and C57BL/6 Mice. *C. Castellano and F. Pavone* 45

Antidopaminergic Effects of Bisbenzyl and Benzyl Tetrahydroisoquinoline Alkaloids. *H. Watanabe, H. Uramoto, M. Maeda-Hagiwara and T. Kikuchi* . . . 53

Effects of Nipradilol (K-351) on Alpha-Adrenoceptor Mediated Responses in Various Isolated Tissues. *A. Ohira, Y. Wada, M. Fujii, M. Nakamura, Y. Kasuya, Y. Hamada and K. Shigenobu* 61

Effects of PN 200-110, a New Calcium Antagonist, on α_1- and α_2-Adrenoceptor Mediated Vasoconstriction Elicited by Selective α-Adrenoceptor Agonists and Catecholamines in the Pithed Rat. *K. Jie, P. van Brummelen, P. B. M. W. M. Timmermans, M. J. M. C. Thoolen and P. A. van Zwieten* 72

The Role of Intracellular Sodium Activity in the Inotropy Potentiation among High $[Ca]_0$, Norepinephrine and Strophanthidin. *P. Abete and M. Vassalle* 87

Cardiovascular Effects of Ritodrine are Blocked by Metoprolol in the Anesthetized Dog. *R. Gerritse, P. J. H. M. Reuwer, I. M. Pinas, H. J. M. Beijer, G. A. Charbon and A. A. Haspels* 97

Antidiuretic Effect of Ritodrine with and without Beta-Adrenergic Blockade. *R. Gerritse, I. M. Pinas, P. J. H. M. Reuwer, A. A. Haspels, G. A. Charbon and H. J. M. Beijer* 107

Influence of Prostacyclin on Coronary Thrombosis and Myocardial Ischemia in Conscious Canine Experiments. *V. B. Fiedler and M. Mardin* 114

Effects of Vagotomy and Drugs on the Ventricular Fibrillation Threshold of Normal and Ischemic Hearts in the Anesthetized Rat. *T. F. Huang and B. B. Yang* . . . 128

The Role of Na^+-K^+-ATPase in the Vasorelaxant Actions of Synthetic Atrial Natriuretic Factor. *E. J. Sybertz and D. M. Desiderio* 142

Inhibition of Human Red Blood Cell Na^+, K^+-Cotransport by Various 'High Ceiling' Diuretics. *A. Knorr and B. Garthoff* 150

Comparative Effects of Tetracycline and Doxycycline on Liver Function of Young Adult and Old Mice. *G. Hopf, R. Böcker and C.-J. Estler* 157

Belgian Society for Fundamental and Clinical Physiology and Pharmacology —Abstracts of Communications presented at the Meeting of Antwerp, June 6, 1985 169

Pharmacokinetics of Biliary Excretion of Physostigmine in Rat. *A. W. Boyer and S. M. Somani* 180

Contraction of Guinea-Pig Lung Parenchymal Strips by Substance P and Related Peptides. *J. C. Foreman, R. Shelly and S. E. Webber* 193

Modulation of Eicosanoid Release from Anaphylactic Guinea-Pig Heart with 5-Benzoyl-α-Methyl-2-Thiophene Acetic Acid (Tiaprofenic Acid). *Th. Simmet, H. R. Wittenberg and B. A. Peskar* 207

Effects of Serum Proteins from Normal and Turpentine-Treated Rats on Prostaglandin Synthesis by Peritoneal Cells. *J. Damas and V. Bourdon* 215

Effect of γ-thio-ATP on Dog Stomach Smooth Muscle Membranes. *A. K. Grover and P. Oakes* 224

Interaction between Nootropic Drugs and Methamphetamine on Avoidance Acquisition but not on Locomotor Activity in Mice. *M. Sansone, M. Ammassari-Teule and A. Oliverio* 229

GABAergic, Dopaminergic and Cholinergic Interactions in Perphenazine-induced Catatonia in Rats. *V. K. Shukla, S. K. Garg, V. S. Mathur and S. K. Kulkarni* . . 236

Anticonvulsant Effect of Clonazepam in the Dog: Development of Tolerance and Physical Dependence. *R. Scherkl, W. Scheuler and H.-H. Frey* 249

Differential Analgetic Actions of Amphetamine Enantiomers in the Mouse: a Drug-Drug Interaction Study. *D. R. Tocco, G. R. Spratto and R. P. Maickel* 261

Involvement of the Renin-Angiotensin System in the Dipsogenic Effect of Morphine. *J. Lal and J. Atkinson* 273

Blood Pressure and Renin Responses to Captopril in Anesthetized Rats Pretreated with Indomethacin or Aprotinin. *M. Kusaba-Suzuki and S. Satoh* 292

Physical Performance during Sustained Converting Enzyme Inhibition with Hoe 498 in Conscious Dogs. *R. H. A. Becker, P. Fieber and K.-J. Schulze* 303

Book Reviews 314

Contents of Volume 278 335

ST. CATHERINE PRESS, TEMPELHOF 41, BRUGGE, BELGIUM